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In the Claims

Claims 1-19 (canceled).

Please cancel claims 20-23, without prejudice.

Please add the following new claims:

24. (New) A regenerated cotton plant selected from the group consisting of (1) a plant of a Class 2 Gossypium genotype transformed to contain selected foreign DNA and having a phenotype conferred by said foreign DNA by which said cotton plant can be distinguished from naturally-occurring cotton plants, and (2) descendants of said cotton plant having said distinguishing phenotype.

- 25. (New) A transgenic cotton plant according to claim 24 comprising an insecticide gene under control of a plant-expressible promoter wherein said insecticide structural gene encodes the amino acid sequence of Figure 1 (SEQ ID NO:2) and is expressed under control of said promoter such that (issues of said plant are toxic to insects.
- 26. (New) A process for regenerating a whole plant of the genus Gossypium comprising:
 - (a) culturing tissue from a plant of said genus on a callus initiation medium baving a high cytokinin/auxin ratio to proliferate callus;
 - (b) culturing the callus of step (a) on a somatic embryo induction medium having a high auxin/cytokinin ratio to produce embryogenic calli;
 - (c) culturing the embryogenic calli of step (b) on suitable media for production of somatic embryos, embryo maturation, embryo germination and plant regeneration.
 - 27. (New) The process of claim 26 in which the plant is a Class 2 cultivar.
 - 28. (New) The process of claim 26 in which the auxin is NAA.

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- 29. (New) The process of claim 26 in which the cytokinin is 2il?
- 30. (New) The process of claim 26 in which the somatic embryo production medium of step (c) is a phytohormone-free medium.
 - 31. (New) The process of claim 26 in which said tissue is taken from seedlings.
 - 32. (New) The process of claim 31 in which said tissue comprises cotyledon tissue.
 - 33. (New) The process of claim 31 in which said tissue comprises hypocotyl tissue.
 - 34, (New) The process of claim 26 in which said tissue is taken from immature embryos.
- 35. (New) The process of claim 26 in which the embryo maturation medium of step (c) contains no phytohormones.
- 36. (New) The process of claim 26 in which the embryo maturation medium of step (c) contains zentin, NAA and a gibberellin.
- 37. (New) The process of claim 26 in which the embryo germination medium of step (c) comprises GRM_{pn}.
- 38. (New) The process of claim 26 in which the plant regeneration medium of step (c) comprises \square G_0 .
- 39. (New) The process of claim 26 in which the plant regeneration medium of step (c) comprises GRM₂₀.
- 40. (New) The process of claim 26 in which said tissue is transformed to contain selected foreign DNA.

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- 41. (New) The process of claim 40 in which said tissue is transformed by contacting it with *Agrobacterium* containing said foreign DNA.
- 42. (New) The process of claim 40 in which a whole plant containing foreign DNA is regenerated.
 - 43. (New) The process of claim 40 in which said plant expresses said foreign DNA.
- 44. (New) A plant produced by the method of claim 41 having a phenotype conferred by said foreign DNA by which said plant can be distinguished from a naturally-occurring plant.
 - 45. (New) A seed of a plant of claim 44.
- 46. (New) In a method for regenerating a cotton (Gossypium) plant comprising culturing somatic tissue thereof on suitable media to cause callus formation and whole plant regeneration, the improvement comprising using somatic tissue of a Class 2 genotype of a Gossypium species and culturing on a callus initiation medium having a high cytokinin/auxin ratio followed by culturing on an embryo induction medium having a high auxin/cytokinin ratio.